

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF APS/CPS OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 119 (GREAT SENECA HIGHWAY) AT LONGDRAFT ROAD IN MONTGOMERY COUNTY. MD 119 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE. MD 119 THRU MOVEMENTS WILL OPERATE CONCURRENTLY AND LONGDRAFT RD THRU MOVEMENTS WILL ALSO RUN CONCURRENTLY. THERE IS A PEDESTRIAN PHASE FOR THE EAST LEG (LONGDRAFT RD) OF THE INTERSECTION AND THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG (MD 119) OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XY1515185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
900000	4	SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	4	EA	R10-3(1) (9" x 15") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
100000	1	EA	MAINTENANCE OF TRAFFIC
201032	4	CY	CLASS 2 EXCAVATION
203030	4	CY	TEST PIT EXCAVATION
585621	410	LF	12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
585625	95	LF	24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
585700	1820	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES, ANY WIDTH
600000	150	LF	TYPE A COMBINATION CURB AND GUTTER ANY HEIGHT OR DEPTH
655105	865	SF	5 INCH CONCRETE SIDEWALK
655120	66	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
704345	27	SY	PLACING FURNISHED TOPSOIL 4 INCH DEPTH
705500	27	SY	TURFGRASS ESTABLISHMENT
708220	27	SY	TURFGRASS SOD ESTABLISHMENT
800000	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
800000	1	EA	REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT
800000	4	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000	3	EA	5 FOOT OR 10 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS, FOUNDATION & GROUND ROD
800000	245	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED OR SLOTTED
800000	90	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	4	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
800000	1	EA	THIRD PARTY CONCRETE TESTING
802501	335	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
861105	400	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	230	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED

ALL EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

Ms. Anyesha Mookherjee
Assistant District Engineer (MO) - Traffic
Phone: (301) 513-7404

Mr. Tom Fountain
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Victor Grafton
District Utility Engineer
Phone: (301) 513-7350

Mrs. Corren Johnson
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Robert Snyder
Assistant Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Edward Rodenhizer
Manager, Signal Operations
Phone: (410) 787-7650

Mr. Sonny Bailey
Manager, Sign Operations
Phone: (410) 787-7676

Mr. Mike Stocker
OOTS, Signal Warehouse
Phone: (410) 787-7696

Mr. Kamal Hamud
Team Leader, Traffic Signals
Division of Traffic Engineering and Operations
Montgomery County DOT
Phone: (240) 777-8761

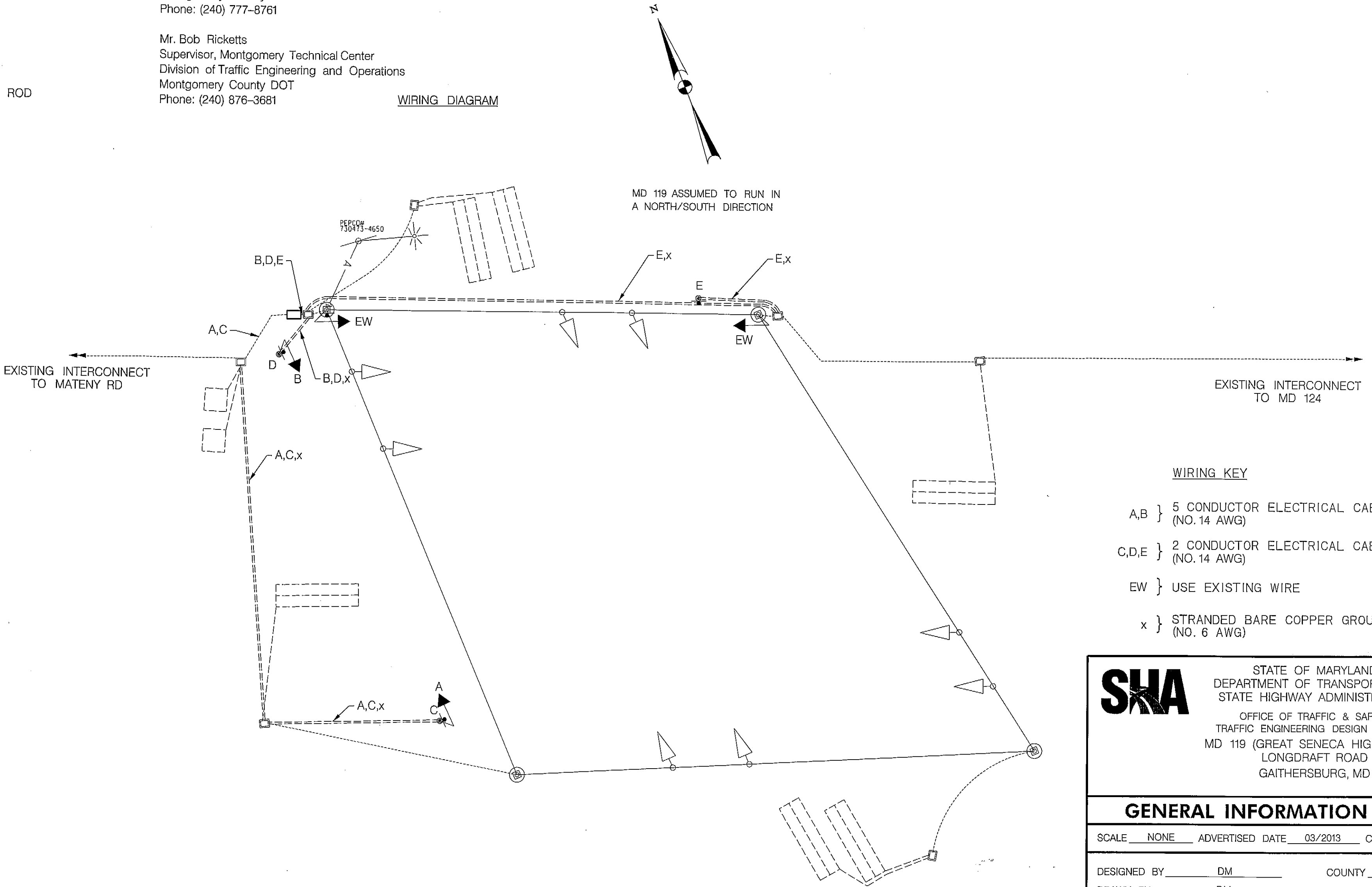
Mr. Bob Ricketts
Supervisor, Montgomery Technical Center
Division of Traffic Engineering and Operations
Montgomery County DOT
Phone: (240) 876-3681

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12
R	R	R	R	R	R	R	R				
Y	Y	Y	Y	Y	Y	Y	Y				
G	G	G	G	G	G	G	G				

PHASE 2 AND 6	G	G	G	G	R	R	R	R	DW	DW	WK	WK	
PED CLEARANCE	G	G	G	G	R	R	R	R	DW	DW	FL/DW	FL/DW	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	
4 ALT AND 8	R	R	R	R	G	G	G	G	WK	WK	DW	DW	
PED CLEARANCE	R	R	R	R	G	G	G	G	FL/DW	FL/DW	DW	DW	
4 ALT AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



WIRING KEY

- A,B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C,D,E } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- EW } USE EXISTING WIRE
- x } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 119 (GREAT SENECA HIGHWAY) AT
LONGDRAFT ROAD
GAITHERSBURG, MD

GENERAL INFORMATION PLAN SHEET

SCALE	NONE	ADVERTISED DATE	03/2013	CONTRACT NO.	XY1515185
DESIGNED BY	DM	COUNTY	MONTGOMERY		
DRAWN BY	DM	LOGMILE	15011903.07		
CHECKED BY	RM	TMS NO.	L903		
F.A.P. NO.		TOD NO.			
TS NO.	10685P	DRAWING	GI-1	OF 1	SHEET NO. 3 OF 3



BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9040 Rumney Road, Suite C
Columbia, Maryland 21045
Phone 410-484-3507
www.brudis.com

PLOTTED: Friday, March 22, 2013 AT 11:25 AM
FILE: P:\08-002 TEDD\Task 107 MD 119 Signals\Drawings\CADD\Working\MD119@Longdraft\p041-P003_MDI19@Longdraft.dgn